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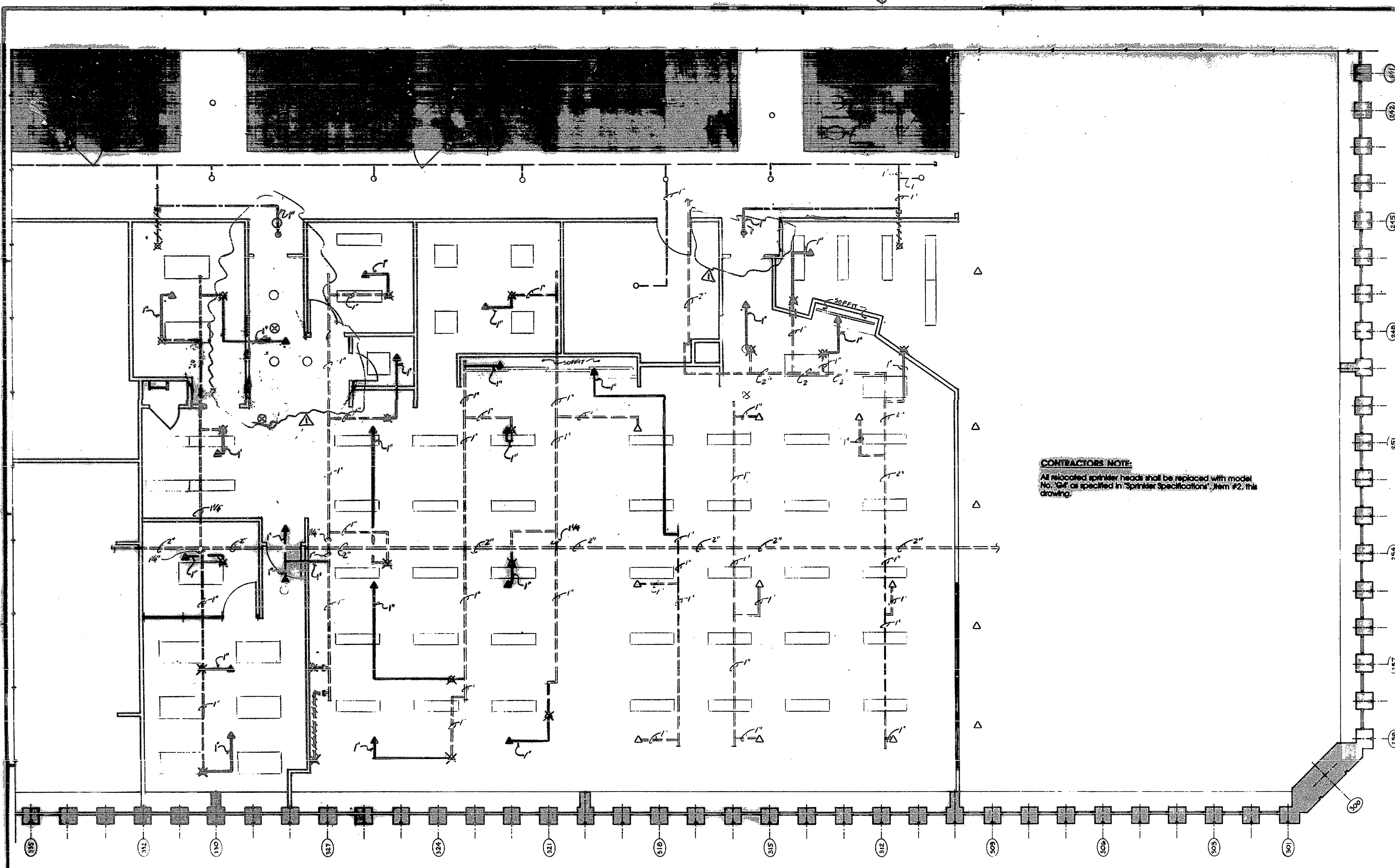
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A-105  
CANTOR, FITZGERALD SECURITIES  
105 R - SP1

IF THIS DRAWING IS NOT 20" X 30" IT IS A REDUCED PRINT, 3" TALL ACCORDINGLY



**LEGEND**

---	NEW PRE-ACTION SPRINKLER PIPING
---	EXISTING PRE-ACTION SPRINKLER PIPING TO REMAIN
---	EXISTING PRE-ACTION SPRINKLER PIPING TO BE REMOVED
---	NEW WET SPRINKLER PIPING
---	EXISTING WET SPRINKLER PIPING TO REMAIN
---	EXISTING WET SPRINKLER PIPING TO BE REMOVED
▲	RELOCATED PRE-ACTION SPRINKLER HEAD
△	EXISTING PRE-ACTION SPRINKLER HEAD TO REMAIN
×	EXISTING PRE-ACTION SPRINKLER HEAD TO BE REMOVED OR RELOCATED
●	RELOCATED WET SPRINKLER HEAD TO REMAIN
○	EXISTING WET SPRINKLER HEAD TO REMAIN
×	EXISTING WET SPRINKLER HEAD TO BE RELOCATED
---	NEW PIPE SLEEVE
C	CAP

**CONTRACTOR'S NOTE:**  
All relocated sprinkler heads shall be replaced with model No. 104 or specified in 'Sprinkler Specifications', Item #2, this drawing.

**JUSTIN PC ARCHITECTS**  
300 LEXINGTON AVE  
NEW YORK, NY 10017  
TEL. (212) 685-0000

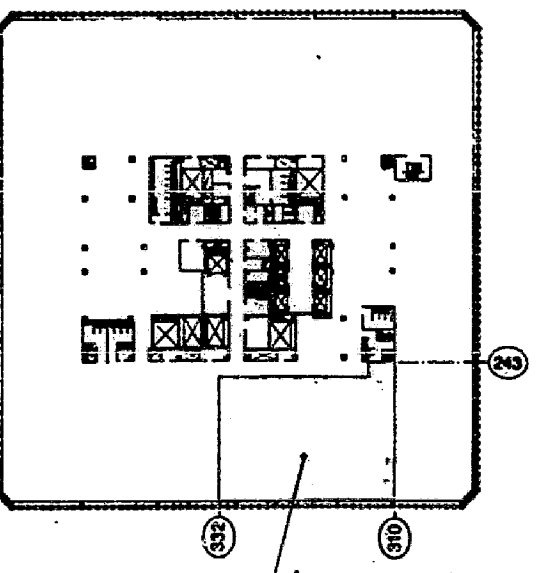
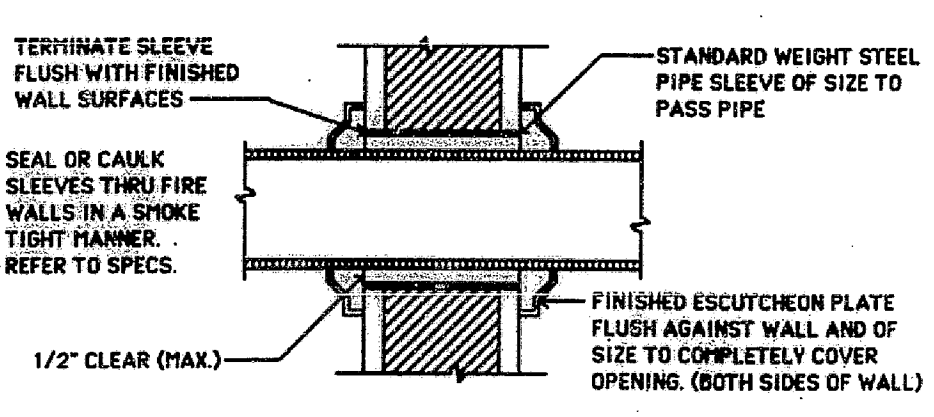
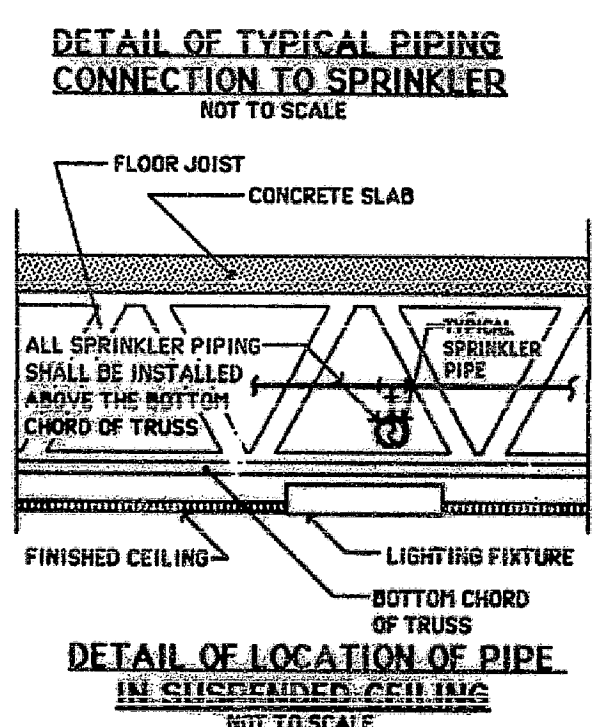
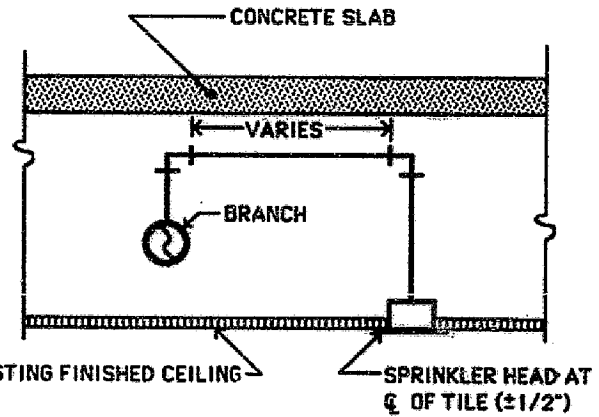
**JOHN C. WESTRICK & ASSOCIATES**  
CONSULTING ENGINEERS  
2110 MAPLE AVE. SOUTH PLAINFIELD, N.J. 07080  
908 551-4170  
JOB # 92119

DATE	ISSUED TO	PR	TR
4/18/92	PORT AUTHORITY FOR APPROVAL	12	-
4/18/92	CFSC	2	-
5-10-92	PORT AUTHORITY FOR APPROVAL	12	-
5-24-92	PORT AUTHORITY FOR APPROVAL	12	-

**SPRINKLER SPECIFICATIONS**

1. Shutdown of existing system: At the time that such closing or opening of valves and draindown becomes necessary, the Contractor shall notify the Fire Department (at least 48 hours in advance) who will make the necessary arrangements. The Contractor shall keep the shutdown time to a minimum and shall be to a properly connected receptacle without causing damage to other work and property.
2. Sprinkler heads shall be Rothermel Automatic Sprinkler Co. concealed type Model "C2", 145 degree opening, 1/2" orifice and equal, finished chrome.
3. Pipe and Fittings: Pipe shall be Schedule 40, standard weight, black steel pipe, ASTM standard A106, fittings shall be cast iron, 175 psi class threaded.
4. All horizontal piping parallel to and within 18" of exterior walls shall be insulated with 1" fiberglass insulation.
5. Piping and fittings shall be insulated where required by the contract drawings with one inch (1") thick heavy density fiberglass pipe covering with factory applied glass jacket (GFI), with factory applied butyl tape sealant with minimum depth of 3/8" on ceiling, and preinsulated fittings for fittings. Insulation shall be applied in all rooms to that manufactured by Owens Corning Fiberglas, Inc. (including butyl or foam) and exterior shall have a flame spread rating not greater than 25, smoke developed not greater than 10.
6. Piping shall be installed to drain to floor control valves, except indicated to other.
7. Branches shall run through the ceiling truss.
8. Piping shall be installed in accordance with the contract drawings, all piping shall be thoroughly blown out and tested, and all connections shall be tested in accordance with the contract drawings.
9. Piping shall be installed in accordance with the contract drawings, all piping shall be thoroughly blown out and tested, and all connections shall be tested in accordance with the contract drawings.

10. All piping shall be installed above the bottom chord of the truss.
11. Test: The installation shall be tested hydrostatically and remain tight with no loss of pressure for a period of no less than two (2) hours against a pressure of 200 psi. Remaining portion of the floor system shall be isolated from the testing procedure.
12. Code: Entire installation shall comply with all provisions of the NYC Building Code.
13. New construction: All new construction shall be in accordance with the contract drawings, all piping shall be thoroughly blown out and tested, and all connections shall be tested in accordance with the contract drawings.
14. Relocation of existing piping: All relocation of existing piping shall be in accordance with the contract drawings, all piping shall be thoroughly blown out and tested, and all connections shall be tested in accordance with the contract drawings.
15. Contractor shall submit detailed shop drawings to the Engineer for approval. No work shall commence until approval is obtained.
16. All existing piping, including hangers, supports, shall be completely removed of the way back to the core (near elevators) or back to the nearest branch main and capped, sealed, wrapped or drilled. All the openings shall be properly patched, sealed, and fire stopped to maintain the original integrity of the partitioning fire rating.
17. Contractor shall provide a hydraulic calculation to verify pipe size. The hydraulic calculation shall include:
  - a) available static pressure on the floor,
  - b) the minimum water supply requirement density, gpm per square foot,
  - c) area of hydraulic demand,
  - d) occupancy based classification,
  - e) pipe size and length material,
  - f) all existing piping size.



NO	DATE	REVISION	BY
1	6-8-92	REVISED PER PA COMMENTS	JW

**CANTOR, FITZGERALD SECURITIES CORP.**  
105th FLOOR  
ONE WORLD TRADE CENTER, NEW YORK, N.Y.

**PROPOSED ALTERATION TO G.S.B. TRADING ROOM SPRINKLER PLAN AND SPECIFICATIONS**

PROJECT NO. 92119
SCALE 1/4" = 1'-0"
DRAWN BY FE
CHECKED BY JCW
DATE 4/27/92

DRAWING NO. **105 R - SP1**

T.A.A. NO.

